

List of drill holes in the Agency Draw NW quadrangle, Utah

Map No.	Operator Operator	Hole Name and No.	USGS Data- Bank file no. <u>1/</u>	Surface elevation 2/		Total depth	
				Feet	Meters	Feet	Meters
1	Champlin Petroleum	127 U.S. Manco	-	5,880	1792	8,000±	2438 <u>+</u>
2	Geokinetics, Inc.	Agency Draw 17	_	5,609	1710	259.2	79.0
3	Geokinetics, Inc.	Agency Draw 12		5,433	1656	100.0	30.5
4	Geokinetics, Inc.	Agency Draw 11	-	5,474	1668	90.0	27.4
4a	U.S. Geological Survey	Core hole 1	U-1	5,658	1724	126.4	38.5
5	Geokinetics, Inc.	Agency Draw 9	-	5,657	1724	200.0	61.0
6	Geokinetics, Inc.	Agency Draw 16	-	5,735	1748	213.0	64.9
7	H. M. Byllesby & Co., Inc.	Byllesby 2	-	6,154	1876	8,520	2597
8	Geokinetics, Inc.	Agency Draw 14		5,844	1781	250.0	76.2
9	Geokinetics, Inc.	Agency Draw 15	-	5,767	1758	210.3	64.1
10	Geokinetics, Inc.	Agency Draw 2	-	5,769	1758	156.1	47.6
11	Geokinetics, Inc.	Agency Draw 1	•	5,674	1729	78.4	23.9
12	H. M. Byllesby & Co., Inc.	Green Canyon	U-21	5,964	1818	232.8	70.9
13	Sunray DX Oil Co.	Utah Corporation 1	i -	5,760	1756	7,316	2230
14	H. M. Byllesby & Co., Inc.	Pinon	U-22	6,038	1840	253.0	77.1
15	Geokinetics, Inc.	Agency Draw 10	-	6,141	1872	111.6	34.0
16	H. M. Byllesby & Co., Inc.	Byllesby 3	-	6,124	1866	6,918	2109
.7	Geokinetics, Inc.	Agency Draw 4		6,387	1947	110.0	33.5

1/ Fischer assay shale-oil yield data.

2/ Surface elevations of all bore holes are rounded to nearest whole number.

brown silt, sand, and gravel of stream-bed, slope-

UINTA FORMATION (EOCENE) -- Yellow-brown to reddish-brown, fine- to coarse-grained sandstone, yellow-brown to gray-brown siltstone, and some red and gray shale. Locally crossbedded. Deposited principally in a

yellow-brown sandstone and siltstone and gray and brown marlstone. Lithologic units are, for the most approximately equivalent to lower boundary of unit B

(1979). This interbedded sequence is approximately equivalent to upper half of the transition zone of

marlstone, dark-gray and brown oil shale, numerous (Mahogany zone in subsurface), the richest oil-shale sequence in the Green River Formation, occurs at or near the base of the Parachute Creek Member in the Agency Draw area. The boundary between the Parachute Creek (Tgp) and Douglas Creek (Tgd) Members rises stratigraphically southwestward and in boundary is placed at the base of the Mahogany oilshale bed for mapping purposes. The Mahogany ledge is approximately 105 ft (32 m) thick in the northeast corner of the quadrangle and that part of the ledge that has an average shale-oil yield of 25 gallons per ton (104 liters per metric ton) is about decreases southwestward across the quadrangle. The

bench-forming tuffaceous bed--Approximate equivalent quadrangle. Unit ranges in thickness from 2 to 4 ft

Top of Mahogany oil-shale bed--Dark-gray to black, approximately 4 ft (1.2 m) thick and occurs about 40 ft (12 m) below the top of the Mahogany ledge. In the area southwest of East Squaw Canyon the lateral disrupted by load features in a massive tuffaceous

cross section only. Gray and tan sandstone and gray

-2000 610

## REFERENCES

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> CONTACT--Boundaries of Quaternary units were determined by photogeologic methods and are approximately located. Dashed line on cross section indicates position of unit boundary is uncertain

UNCONFORMITY--Shown on cross section only. Position

FAULT--Dashed where concealed. Bar and ball on downthrown side

—5500— STRUCTURE CONTOURS--Drawn on top of Mahogany bed.

Dashed where Mahogany bed eroded. Contour interval 100 ft (30 m). Datum is mean sea level

> of drill holes CORE HOLE--Drill site located by description only.
> Drilled to evaluate oil-shale beds. Map numbers keyed to list of drill holes

CORE HOLE--Drill site located by recovery. Drilled to evaluate oil-shale beds. Map numbers keyed to list

DRY HOLE--Map numbers keyed to list of drill holes TEMPORARILY ABANDONED WELL--Map numbers keyed to list of drill holes